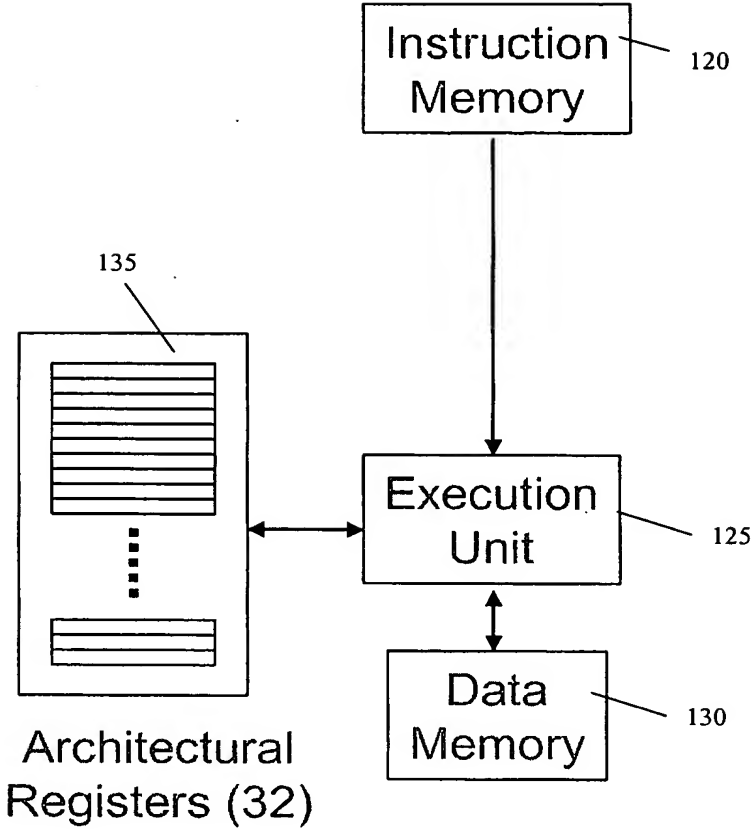
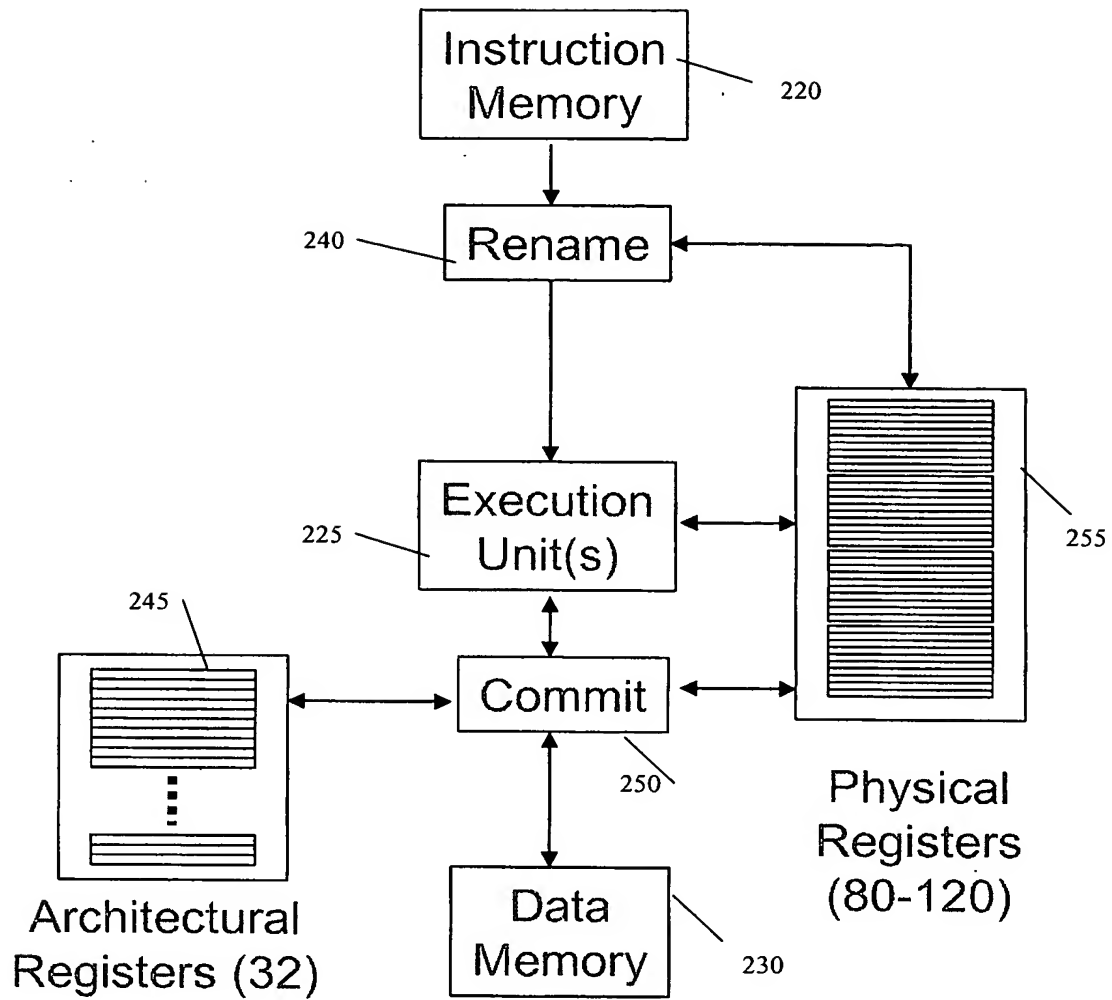


Fig. 1



Prior Art

Fig. 2



Prior Art

Fig. 3

```
.....  
.....  
Load R1 = A  
Load R2 = B  
; Use R1  
.....; ran out of registers  
Spill R1 back to location A  
Load R1 = C  
R2 = R2 + R1 ; B=B+C  
.....  
.....  
Spill R1 to location C  
Load R1 = A  
R2 = R2 * R1 ; B=B*A  
.....  
.....
```

Fig. 4

```
; nameLev R1, 0 is implicit  
.....  
.....  
Load R1 = A ; first instance of R1  
Load R2 = B  
; use R1  
.....  
; ran out of registers  
nameLev R1,1 ; R1 means "second instance" of R1  
Load R1 = C ; second instance of R1  
R2 = R2 + R1; second instance of R1  
.....  
.....  
nameLev R1, 0 ; R1 means "first instance" of R1  
R2 = R2 * R1; first instance of R1  
.....  
.....
```

Fig. 5

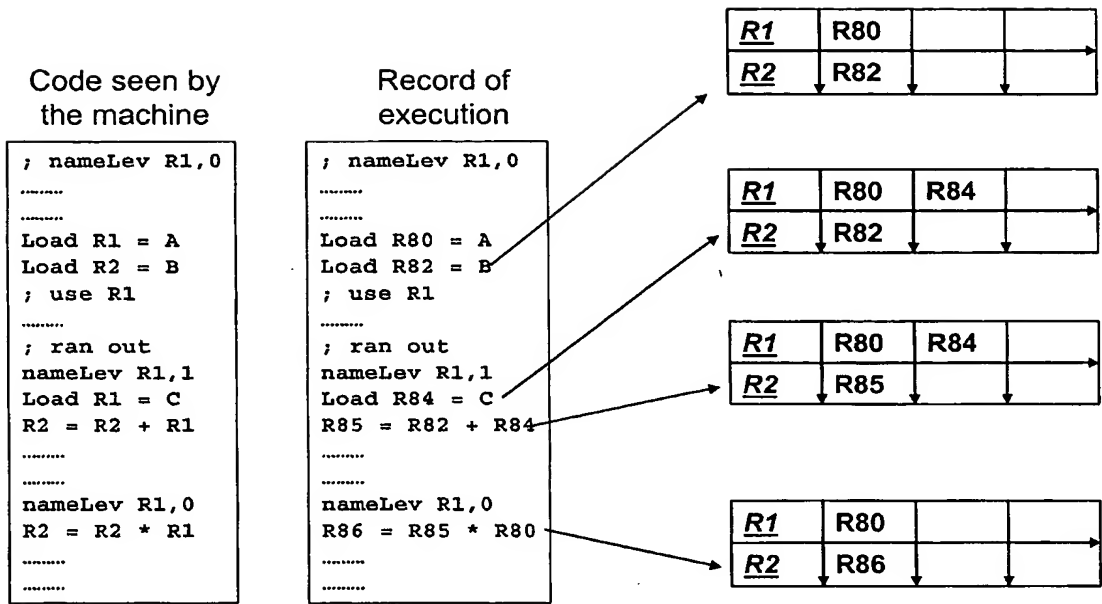


Fig. 6

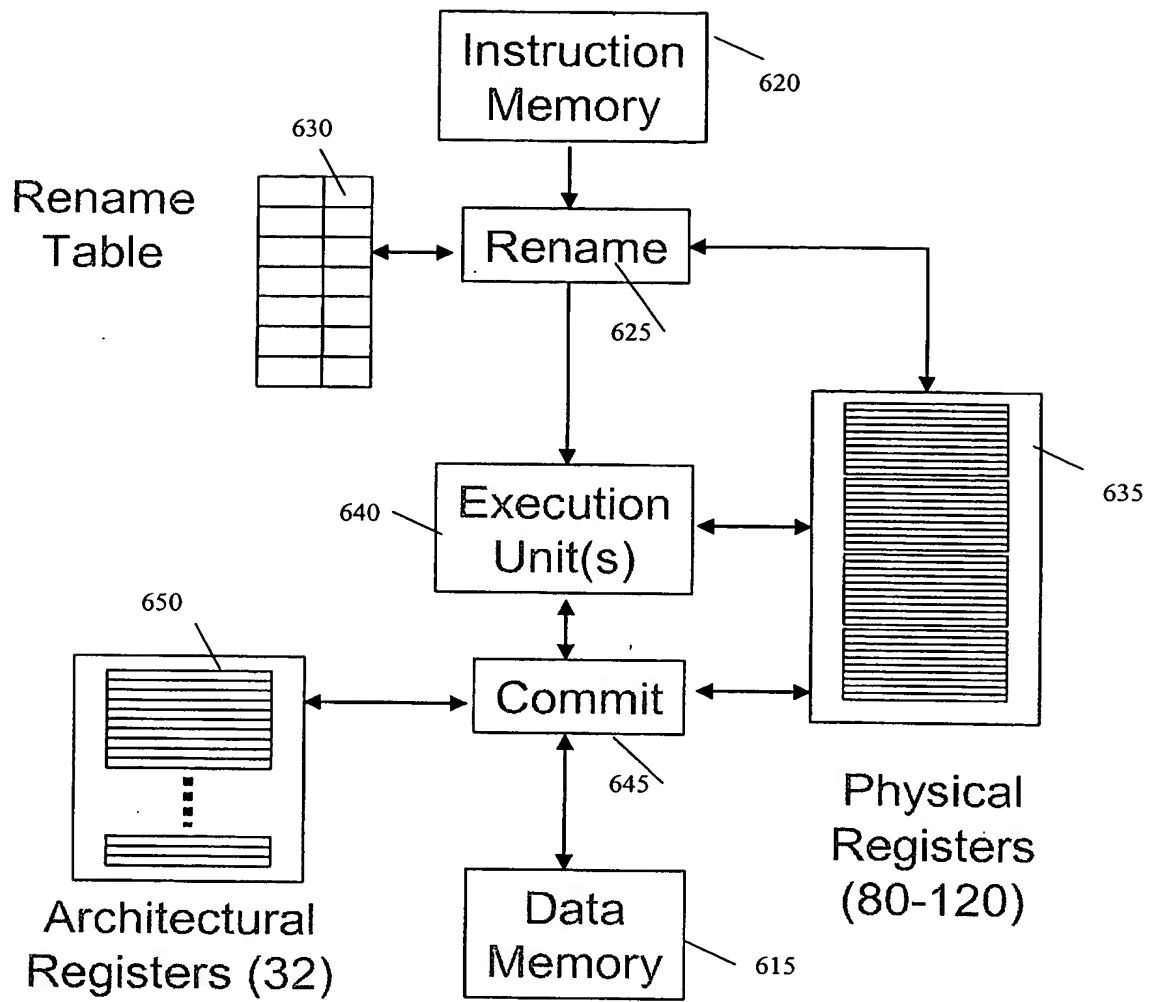


Fig. 7

